

Linear equations

Linear equations are ones that produce a line when graphed. Every line is always straight!

Three types of linear equations:

horizontal, diagonal, and vertical line.

Linear equations can be written two different ways.

Slope-Intercept Form: $y = mx + b$

Standard Form: $Ax + By = C$

Ex: Slope-intercept example equations

$$y = 6x + 12$$

$$y = \frac{x}{3} - 7$$

$$y = 8x + 4$$

$$y = 10 - \frac{2}{3}x$$

Ex: Standard Form example equations

$$6x + 8y = 50$$

$$2x - 5y = 15$$

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$$16y + 2x = 8$$